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BRADBURY, Andrew [GB/GB]; 1 Blackhall forest, Banchory, Kincardineshire AB31 6PS (GB).

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(74) Agent: MENES, Catherine; Endes et Productions Schlumberger, Division Dowell, 26, rue de la Cavée, BP 202, F-92142 Clamart Cedex (FR).

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(71) Applicant (*for all designated States except CA, FR, US*):
SOFITECH N.V. [BE/BE]; Rue de Stalle 142, B-1180 Brussels (BE).

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(71) Applicant (*for CA only*): SCHLUMBERGER CANADA LIMITED [CA/CA]; 24th Floor, Monenco Place, 801 6th Avenue, S.W., Calgary, Alberta T2P 3W2 (CA).

(71) Applicant (*for FR only*): COMPAGNIE DES SERVICES DOWELL SCHLUMBERGER [FR/FR]; 50, avenue Jean-Jaurès, F-92541 Montrouge (FR).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BRAND, Fabien, J. [FR/FR]; 35, avenue Jean Moulin, F-75014 Paris (FR).

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(54) Title: WATER BASED WELLBORE FLUIDS

(57) Abstract: The invention relates to water based wellbore fluids used during a hydrocarbon recovery process, such as drilling, fracturing, gravel packing and wellbore workover. According to the present invention, said wellbore fluid comprises a fluid loss additive and a bridging material that are hydrophobic in nature, hydrophobically modified or oil wettable. The wellbore fluid generates an active filter cake that once formed, is impermeable to an aqueous phase, thus reducing fluid loss and ensuring reduced damage to the formation, yet simultaneously is permeable to the back flow of hydrocarbons during a hydrocarbon recovery process.